The Path to Sediment Risk Management

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Risk management

W hich / whose values to protect?

Are these values at risk?

Is risk acceptable?

If not, what action to take?

Values?

Public health and the environment

Problem formulation is probably most important task

Demands transparency and stakeholder involvement Interpretation & decision framework (analysis plan) laid out in advance

At risk?

Ideally, risk assessment is an honest attempt to find a rational basis for decisions, by analyzing available scientific evidence

Risk estimate

Transparency & stakeholder involvement
Assumptions ≠ Conclusions
Beyond a worst-case analysis
Address uncertainty without paralysis
Allow for innovation in science & methods
Integrate IIII & Eco, include ESA, anticipate NRD

Acceptable?

Risk assessment ≠ **risk management**

Functional, not communication, separation

Only risk managers can decide what risk is acceptable

Risk-based management requires trust and on-going trust-promoting actions

Trust and acceptance are linked

Action?

science alone can never be an adequate basis for a risk decision. Risk decisions are, ultimately, public policy choices...

Risk estimate a decision factor but not the <u>only</u> factor

Legal, Political, Regulatory, Technical, Commercial / Economic, Community

Aim at management that is proportional to the risk involved